



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
Attorney Docket No. 003248.00057

In re the Application of:

**Artz, et al.**

Serial No.: 10/092,843

Filed: March 6, 2002

For: Water Soluble Tooling Materials for  
Composite Structures

Atty. Docket No.: 03248.00057

Group Art Unit: 1713

Examiner: Cheung, William

Confirmation No.: 9439

**DECLARATION UNDER 37 C.F.R. § 1.132**

Commissioner for Patents  
Alexandria, Virginia 22313-1450

Sir:

I, K. Ranji Vaidyanathan, a citizen of India, hereby declare:

1) I am one of the inventors of the above-captioned application and am submitting this declaration in response to the Office Action mailed on February 11, 2004.

2) I am a research scientist and Manager of Advanced Materials at Advanced Ceramics Research, Inc. of Tucson, Arizona, the assignee of the above-captioned application. I have a Ph.D in Materials Science and Engineering from North Carolina State University, a Master's of Mechanical Engineering from North Carolina A&T State University, and a Bachelor's of Metallurgical Engineering from Banaras Hindu University in India.

3) One of ordinary skill in the art would recognize that the use of "polyvinylpyrrolinone [sic] (PVP)" in my application as originally filed in part was merely a typographical error.

4) One of ordinary skill in the art knows that polyvinylpyrrolidone is a known compound having a molecular formula of  $(C_6H_9NO)_n$  and is abbreviated as "PVP." An alternative spelling for this compound is "polyvinylpyrrolidinone." See Hawley's Condensed Chemical Dictionary, 11th ed. (1987) and Kirk-Othmer Encyclopedia of Chemical Technology, 3rd ed., Vol. 23 and Index (1984) (copies attached hereto as Exhibits A and B, respectively).

5) Thus, one of ordinary skill in the art would recognize that the use of "polyvinylpyrrolinone (PVP)" was an obvious typographical error in part and that "polyvinylpyrrolidone, which is also sometimes referred to as polyvinylpyrrolidinone, (PVP)" is the appropriate correction.

6) The statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true. These statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the reexamination application or any patent issuing thereon.

Respectfully submitted,

Dated: May 11 2004

By: K. Ranji Vaidyanathan  
K. Ranji Vaidyanathan